

IN THE CLAIMS

1. (amended) An air spring (1) for absorbing and transmitting shock loads between parts moveable relative to one another, the air spring (1) comprising a flexible cylindrical sleeve (2) which is secured at each end to form a fluid chamber (14) therein, a piston (11), the sleeve (2) being secured at one end (6) to a retainer (8) and being secured at the opposing end (9) by the piston (11), the air spring being characterized by:
the retainer (8) having an integrally formed intermediate ribbed reinforcement structure (16) to strengthen the retainer, allowing for direct mounting of the air spring (1) to one of the moveable parts, the intermediate ribbed reinforcement structure (16) of the retainer (8) comprising an outer plate (18) and an inner plate (19) which are parallel to each other, and a plurality of ribs (17 to 20) that extend between the outer plate (18) and the inner plate (19).
2. (previously amended) An air spring (1) in accordance with claim 9 wherein the retainer is further characterized by the intermediate ribbed reinforcement structure (16) comprising a plurality of extending ribs (17 or 20).
3. (previously amended) An air spring (1) in accordance with claim 1 wherein the retainer is further characterized by the ribs (17 or 20) extending the full width of the intermediate reinforcement structure (16).
4. (original) An improved air spring (1) in accordance with claim 1 wherein the ribbed reinforcement structure (16) comprises at two sets of ribs (17 or 20) extending at angles relative to each other (20 or 17).
5. (original) An improved air spring (1) in accordance with claim 1 wherein the retainer (8) has an axially extending mounting plate (24) for directly mounting the air spring (1) to the moveable part.
6. (original) An improved air spring (1) in accordance with claim 1 wherein the retainer (8) is formed from a thermoplastic material having a tensile strength in the range of 28,000 to 45,000 psi, and a flex strength in the range of 40,000 to 60,000 psi.

7. (original) An improved airspring (1) in accordance with claim 6 wherein the retainer (8) is formed from a material selected from the following group: fiberglass reinforced nylon, long fiber reinforced thermoplastic, and short fiber reinforced thermoplastic.
8. (cancelled)
9. (previously added) An air spring (1) for absorbing and transmitting shock loads between parts moveable relative to one another, the air spring (1) comprising a flexible cylindrical sleeve (2) which is secured at each end to form a fluid chamber (14) therein, a piston (11), the sleeve (2) being secured at one end (6) to a retainer (8) and being secured at the opposing end (9) by the piston (11), the air spring being characterized by:
the retainer (8) formed as a unitary article and comprising a bead seat means (12) for securing the one end (6) of the sleeve (2), mounting means (13) for direct mounting of the air spring (1) to one of the moveable parts, and an intermediate ribbed reinforcement structure (16) located between the bead seat means (12) and the mounting means (13).
10. (previously added) An air spring (1) in accordance with claim 9 wherein the intermediate ribbed reinforcement structure (16) has ribs (17 or 20) that extend the full width of the intermediate reinforcement structure (16).
11. (previously added) An air spring (1) in accordance with claim 9 wherein the intermediate ribbed reinforcement structure (16) has two sets of ribs (17 or 20) extending at angles relative to each other (20 or 17).